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SHARP 21JF2-GA OPERATION MANUAL

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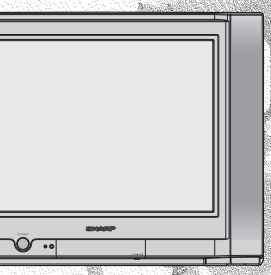
SHARP

COLOUR TELEVISION

21JF2-SA
21JF2-GA
21JF2-SM

OPERATION MANUAL



Please read this operation manual carefully before using the colour television.

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AFETY ECAUTIONS]

CCESSORIES]

EFORE ERATING LEVISION]
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TINS-B996WJZZ⚠
05P09-MSF

E1 SAFETY PRECAUTIONS

Damage
Turn off the power and unplug the power cord from the wall outlet immediately if the TV set begins to make any unusual noises or gives off smoke or an unusual smell. Then call your dealer for service.

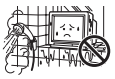
Servicing
To reduce the risk of electric shock, do not remove the back of the cabinet. This TV set contains dangerous voltage.

Unstable surface and shocks
Do not place this TV set on an unstable cart, stand, shelf, or table. The TV set may fall, causing serious injury to a child or adult, and serious damage to the set. Sharp recommends securing the TV set to a stable surface or wall to prevent the set from falling due to sudden shocks or impact.

Power-cord protection
To prevent electrical shock, do not subject the AC power cord to damage by bending or twisting it, or by placing heavy items on top of it and do not place the AC power cord under the TV set. If the AC power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

Moisture
To prevent electrical shock, do not use the TV set in an excessively damp place.

Water
To prevent fire or electrical shock, do not place the TV set near a bathroom, swimming pool or other area where it may become wet.



Liquid entry
Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause electrical shock or failure.

Object entry
Never insert or drop any metallic or inflammable objects into the ventilation openings of the TV set, as this can cause fire, electrical shock, or electrical failure.

TV Set position
Do place the TV set onto an even stand, table or track which size is bigger than the TV set.
If the TV set is put onto a smaller size or uneven stand, table or track may cause the TV cabinet distort.
Do not put or insert anything between TV set and the stand, table or track.

Uneven surface and excessive force
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

Ventilation
Do not place this TV set in a confined area, such as on a bookshelf or in a built-in case. Leave adequate space behind the TV for proper ventilation.

Fire prevention
To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

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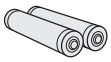
ACCESSORIES

g accessories are included with this television.

ote Control



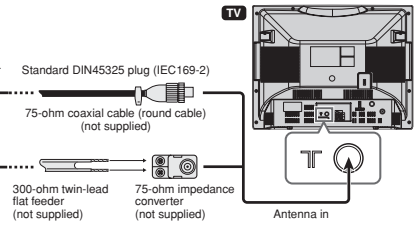
Size-AA batteries

Operation manual

BEFORE OPERATING TELEVISION

cting to an antenna

clearer picture, use an outdoor antenna. The following is a brief explanation of the onnections that are used for coaxial and feeder cables.

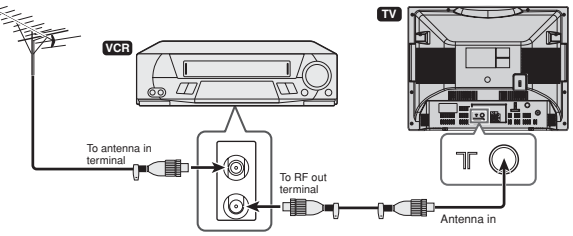


If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the antenna jack at the rear of the set.

If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the set.

cting to an antenna via a VCR

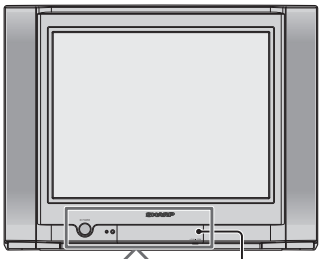
so connect the TV set to the tuner on a VCR using the connection shown below.



he RF terminal connection, set the TV to channel zero to make initial adjustments for the VCR.

E4 PART NAMES

TV set

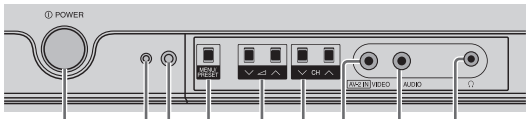


To open the door
Using the projection located under the "PULL-OPEN" indication, pull and lift the door open.

To close the door
Using the projection, lower the door until closed.

Caution:
- When opening or closing the door, do not insert your fingers into the gap between the door and front panel. This may result in an injury.

Bottom



POWER switch
Turns on and off the main power.

Power indicator
Power can be turned on by the remote control when the indicator is dimly.

Infrared sensor window
Receives the infrared wave from the remote control.

MENU/PRESET button
Tunes the channels.
Used for MENU setup.

Headphone jack
Use to listen to the audio with headphone.

Audio input terminals (AV-2)
Connects to a camcorder, video game, etc.

Video input terminal (AV-2)
Connects to a camcorder, video game, etc.

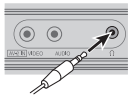
Channel up/down buttons
Selects the channels.
Tunes or sets the channels.

Volume up/down buttons
Adjusts the volume.
Makes adjustments in PRESET.

Using headphone

Insert headphone plug into headphone jack to listen to audio with headphone.
- The audio from the speakers is turned off.

[Behind the door]



NOTE
- To avoid injuring your hearing, do not put on the headphone before plugging them into the headphone jack and before the power is turned on.

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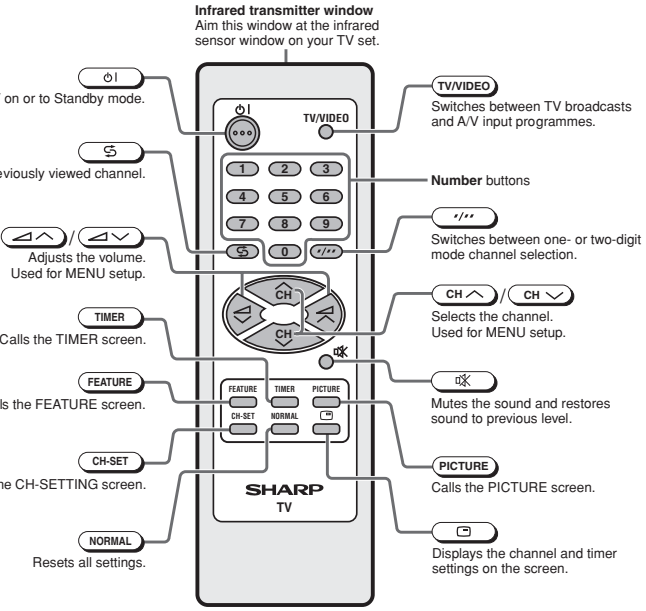
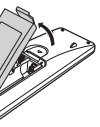
PART NAMES (Continued)

e control

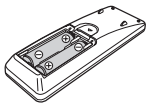


ng batteries in the remote control unit

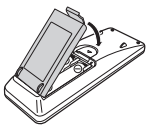
your thumbnail, pull the slit to open the ry cover.



b Insert two batteries (size AA).



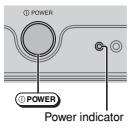
c Replace the battery cover.



E5 BASIC OPERATION

Turn on the power

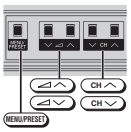
[TV Set (Bottom)]



- When the power indicator is off, press POWER.
- When the power indicator lights up dimly, press ⏻ on the remote control. The power indicator changes to bright and a picture appears.

On-screen display language selection

[Behind the door]



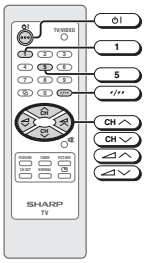
TV set

- Press MENU/PRESET for more than two seconds, the language select mode appear.
- Press CH ∧ / CH ∨ to select desired language.
- Pressing MENU/PRESET changes the screen as shown below.

Language ⟶ AUTO ⟶ MANUAL ⟶ Normal screen

- Press MENU/PRESET until normal screen appears.

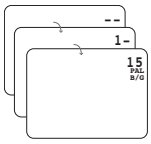
Channel selection



❶ Using CH ∧ / CH ∨

- Press CH ∧ and channels change as shown below.
  1 → 2 → ... → 98 → 99 → AV1 → AV2 → 0 → 1 → 2 ...
- Press CH ∨ and channels change as shown below.
  1 → 0 → AV2 → AV1 → 99 → 98 → ... → 2 → 1 → 0 ...

❷ With the number buttons (on remote control)

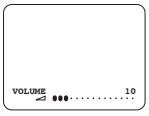


- To select a one-digit channel, such as 5, press 5. If "5-" is indicated, press -/-- to select one-digit input, and then press 5 again.
- To select a two-digit channel, such as 15, press -/-- to select the two-digit input. Press 1, and then press 5.

Adjusting volume

❶ Adjust volume using ◁ ∧ / ◁ ∨.

- The volume bar disappears approximately three seconds after the volume has been adjusted.



NOTE

- Channels that have been skipped cannot be selected by CH ∧ / CH ∨.
- The AV1, AV2 input channels cannot be selected using CH ∧ / CH ∨ on the remote control. Use TV/VIDEO to select these channel.

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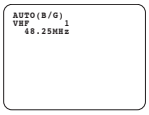
PRESETTING CHANNELS

hannel tuning

ally tunes in and presets receivable TV stations.

ENU/PRESET) for more than two seconds.



ENU/PRESET) again to display AUTO mode screen.

ng (MENU/PRESET) changes the screen as shown below.

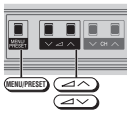
ge ⟶ AUTO ⟶ MANUAL ⟶ Normal screen

/ on TV set.

TV stations in your area that can be received by set are automatically preset between channels 1

reen shows whatever is on channel 1 when auto l preset is finished.

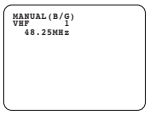
[Behind the door]



channel tuning

anual channel tuning to a desired TV station.

ENU/PRESET) for more than two seconds.

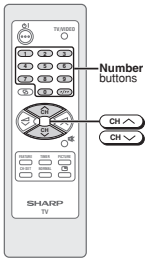


ENU/PRESET) twice to display MANUAL mode .

ng (MENU/PRESET) changes the screen as shown below.

ge ⟶ AUTO ⟶ MANUAL ⟶ Normal screen

CH / CH or number buttons to channel position.



/ on TV set to locate channel you wish to preset to current el position.

is initiated and when a TV signal is received during the search, the search stops.

steps 3 and 4 above, to preset channel positions for other broadcasts.

ENU/PRESET) again to display normal screen.

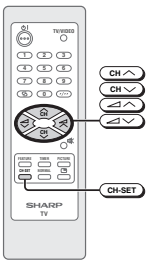
ET stores all receivable channels including those which may be very weak and not clearly visible. To hose channels designated for the local viewing region, use MANUAL PRESET.

E7 SETTING AND ADJUSTMENT

Channel setting

Enables individual channel setting.

1 Press (CH-SET) to call CH-SETTING screen.



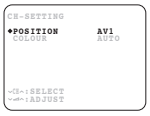
2 Press CH / CH to select desired setting.

3 Each time you press / , setting for individual items changes as follows:

- **POSITION**
  The channel position changes to the higher or lower number.
- **COLOUR**
  ↱ AUTO ⟷ PAL ⟷ SECAM ⟷ N443 ↰
- **SOUND**
  ↱ B/G ⟷ I ⟷ D/K ↰
- **SKIP**
  ON ⟷ OFF
  Channel numbers with a "✤" mark on the left are set to SKIP. To turn off SKIP, press the number buttons to select the desired channel and then set "SKIP" to "OFF".
- **FINE**
  The frequency changes to allow fine tuning.

4 Press (CH-SET) to return to normal screen.

- When you select AV1, AV2 for the channel position, the CH-SETTING menu changes as shown on the right and the colour mode changes in the following order:



↱ AUTO ⟷ PAL ⟷ SECAM ⟷ N443 ⟷ N358 ↰

NOTE

- Switching COLOUR system:
  Set the system to "AUTO" for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- When using FINE, the channel number changes from green to yellow.

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SETTING AND ADJUSTMENT (Continued)

adjustment

PICTURE) to call PICTURE screen.

CH ^ / CH v to select adjustment items.

using ◁^ / ◁v .

r approximately three seconds to return to PICTURE menu.

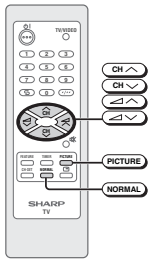
steps 2 and 3 above to adjust other items.

PICTURE) to return to normal screen.

able lists the adjustment items shown in the PICTURE menu and how they press ◁^ / ◁v.

Press ◁v		Press ◁^
To decrease contrast		To increase contrast
For less colour intensity		For more colour intensity
For less brightness		For more brightness
To move tint toward red		To move tint toward green
For less sharpness		For more sharpness
To more reddish background		To more bluish background

y be selected and adjusted when receiving NTSC broadcasts. (AV only)
P can only be adjusted on PICTURE menu.



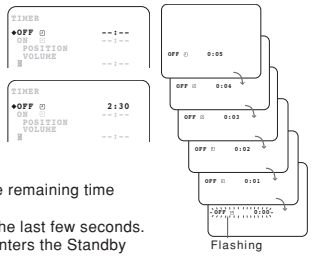
MAL) while a PICTURE selection is displayed, only the selected mode is reset to the standard (factory-on.

MAL) while a PICTURE menu screen is displayed will reset all the item of PICTURE menu to the standard ng) position.

E8 TIMER SETTING

Off timer

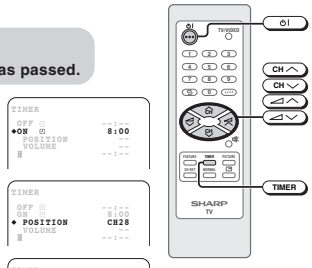
Automatically turns power off after a set length of time has passed.



1. **Press TIMER to call TIMER screen.**
2. **Press CH ^ / CH v to select "OFF ⏎".**
3. **Press ◁^ / ◁v to set time for TV to turn off.**
   - Maximum time that can be preset is 12 hours and 50 minutes. Timer start to count down after setting.
4. **Press TIMER to return to normal screen.**
   - Five minutes before the preset length of time expires, the remaining time appears on the screen.
   - A flashing display of the remaining time appears during the last few seconds. When the preset length of time has passed, the TV set enters the Standby mode.

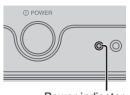
On timer

Automatically turns power on after a set length of time has passed.



1. **Press TIMER to call TIMER screen.**
2. **Press CH ^ / CH v to select "ON ⏎".**
3. **Press ◁^ / ◁v to set time for TV to turn on.**
   - Maximum time that can be preset is 12 hours and 50 minutes. Timer start to count down after setting.
4. **Press CH ^ / CH v to select "POSITION".**
5. **Press ◁^ / ◁v to set the channel.**
6. **Repeat step 4 to 5 above to select and set the "VOLUME".**
7. **Press TIMER to return to normal screen.**
8. **Press ⏻I to put TV set into Standby mode.**
   - Power indicator will flash to indicate On Timer is set.
   - When the preset length of time setting has passed, the power turns on and a picture appears on the screen.
   - The ON TIMER speaker volume gradually increases from zero to preset volume.

[TV Set (Bottom)]



Power indicator (Flashing)

NOTE

- The Off timer is cancelled if the power is turned off or set to the Standby mode using ⏻I on the remote control or ⏻POWER on the TV set, or if the power is otherwise interrupted.
- The On Timer is cancelled if the power is turned off using ⏻POWER.
- If the TV set is turned on by the On Timer, then the TV set will be automatically turned off in two hours if no buttons are pressed on the TV set or remote control.

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TIMER SETTING (Continued)

der on-screen timer

now when a preset length of time has passed by displaying a countdown timer on . This is useful for timer cooking while you watch TV.

TIMER to call TIMER screen.

CH / CH to select "⧖".

/ to set time.

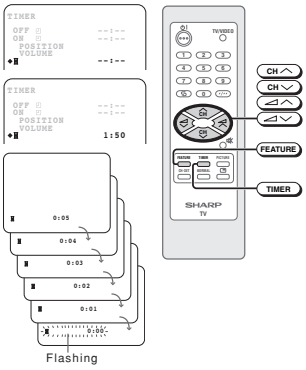
um time that can be preset is 12 hours and 50 s.

ht example shows that the Reminder will be ed after one hour 50 minutes.

TIMER to return to normal screen.

inutes before the preset length of time expires (in ample, after one hour and 45 minutes) and each thereafter, the remaining time appears on the for several seconds.

he preset length of time has passed, "⧖ 0:00" in red.



FEATURES

creen

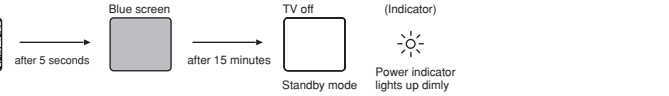
ally turns the screen blue if a broadcast signal is not received.

FEATURE to call FEATURE screen.

/ to select "BLUE BACK" to "ON" or "OFF".

FEATURE to return to normal screen.

E BACK is set to "ON".



also works in the Standby mode. Power is automatically turned on five minutes before the preset length es. The TV set automatically returns to the Standby mode approximately 1 minute if no buttons are e TV set or remote control.

r is cancelled if POWER on the TV set is pressed or if the power is otherwise interrupted.
n due to weak signals and too much noise may activate BLUE BACK, despite the presence of a nal. To continue watching TV under these conditions, switch "BLUE BACK" to "OFF".
er is set, the OFF TIMER setting has priority over BLUE BACK.

E10 USEFUL FEATURES

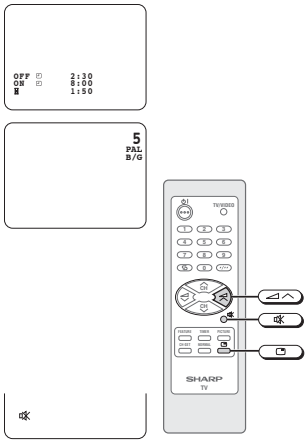
Channel / Timer display

Displays the current channel number, the timer, and other settings on the screen.

1 Press .

- The time remaining on the Off timer, On timer, and Reminder appears on the screen.
- When no timer is set, the channel number, colour and sound system appear on the screen.
- Press again to clear these current settings display on the screen.

2 Press again, the channel number, colour and sound system appear on the screen.



Mute

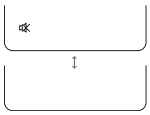
Silences the sound.

1 Press .

- Press , "🔇" appears on the screen, and the sound is silenced.

2 Press , the volume returns to its previous level.

- Mute will be cancelled if the is pressed at any time.



USEFUL FEATURES (Continued)

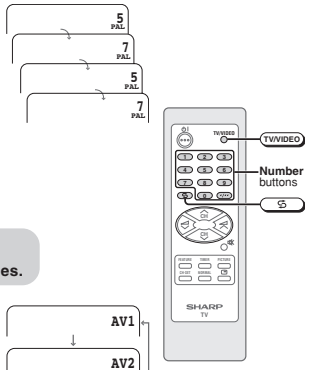
el recall

back to the channel you were watching just before the current channel.

.

l previously viewed returns to the screen.

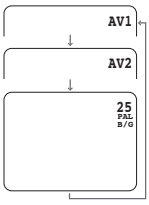
g from channel 5 to channel 7, (S) is pressed, will change to channel 5. Press (S) again to nnel 7.



deo selection

between TV broadcasts and AV input programmes.

ou press the (TV/VIDEO), the input switches between nd TV programme.

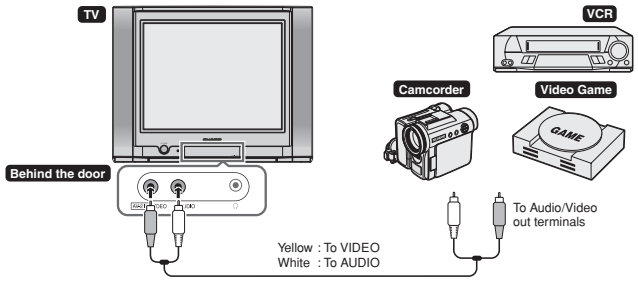


E11 CONNECTIONS

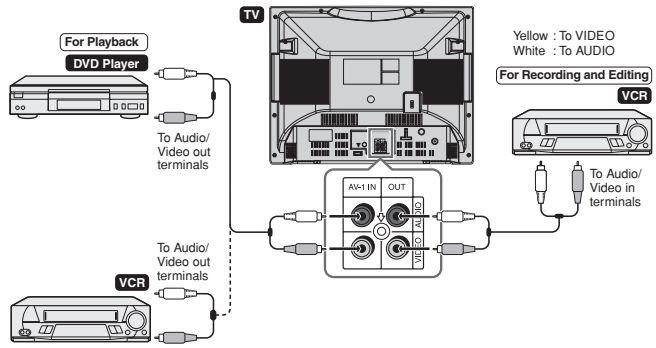
Connecting to video equipment

Enjoy playback from a video disc player, VCR or other video equipment by connecting them to this TV set using the Audio/Video in terminals.

Example use of front terminals



Example use of rear terminals



NOTE

- The audiovisual cords required to connect the TV set with video equipment may differ from those shown in the above diagram. See the operation manual of your video equipment for connection details.
- The above recording and editing connections are for intended solely for personal use and not for the illegal copying of audiovisual material protected by copyright laws.

8/24/05, 4:55 PM

TROUBLESHOOTING

ing problems do not always indicate a hardware failure. Therefore, please use the ooting guide below before calling for repair service.
llowing the guide none of the remedies work, unplug the TV set and call for service.

ick rvice eck List / Problems / ble Causes/Remedies	Remote control does not work.	Bars on screen.	Picture distorted.	Picture rolls vertically.	No colour.	Poor reception on some channels.	Picture weak.	Picture lines or streaks.	Picture ghosting.	Picture blurred.	Sound OK, picture poor.	Picture OK, sound poor.	No picture or sound.
channel to check for possible station			●	●	●	●	●	●	●	●	●	●	●
gged in. er OFF.	●												●
switch of TV not ON.	●												●
ot connected to terminal at the back et.					●	●	●		●		●		●
ntenna is used, check for broken		●	●	●	●	●	●	●	●	●	●		●
ocal interference.		●		●		●		●	●		●	●	
using the ⏻ **POWER** switch, ON again after a minute.	●												●
LOUR control.					●		●				●		
eries in the remote control.	●												
ing to correct.			●		●		●			●	●		
etting in picture mode might be all the minus side. Press the button on the remote control to											●		●
e volume.												●	●

quipped with a microprocessor. Its performance could be adversely affected by external se or interference. If this should happen, unplug the unit and plug it in again after a few

E13 SPECIFICATIONS

MODEL		21JF2-SA	21JF2-GA	21JF2-SM
Receiving System		World multi 18 system		
TV Broadcasts/ VCR Playback		PAL-I PAL-B/G PAL-D/K		SECAM-B/G SECAM D/K, K1
VCR Playback		NTSC 4.43/5.5 MHz/60 Hz NTSC 4.43/6.0 MHz/60 Hz NTSC 4.43/6.5 MHz/60 Hz NTSC 4.43/5.5 MHz/50 Hz NTSC 4.43/6.0 MHz/50 Hz NTSC 4.43/6.5 MHz/50 Hz SECAM-I (6.0 MHz)		
VCR Playback (Using Video-in terminals)		SECAM-L (French SECAM) PAL 60 Hz NTSC 3.58 MHz		
Laserdisc Player Playback (Using RF-in terminals)		PAL 5.5 MHz/60 Hz PAL 6.0 MHz/60 Hz PAL 6.5 MHz/60 Hz		
Reception Channels				
PAL-B/G SECAM-B/G	VHF	E2–E12 ch		
	UHF	E21–E69 ch		
PAL-D/K SECAM-D/K, K1	VHF	C1–C12 ch, R1–R12 ch		
	UHF	C13–C57 ch, R21–R69 ch		
PAL-I	VHF	B–J ch		
	UHF	21–69 ch (Hong Kong)		
CATV		S1–S20 ch, S21–S41 ch (Hyper)		
Receiving Frequency		48.25 MHz – 863.25 MHz		
Channel Tuning		100-Channel Electronic Tuner with Full Auto Tuning System		
Picture Tube		21-Inch Flat CRT (53 cm / 51 cm viewable screen size)		
Terminals		Audio/video input × 2 (front × 1, rear × 1), Audio/video output × 1 (rear), Headphone jack × 1 (front)		
Sound Output		2.5 W (RMS) × 2, total 5 W (RMS)		
Power Source		AC 110 – 240V, 50/60 Hz		
Power Consumption		95 W		
Dimensions		605 (W) × 468 (H) × 482 (D) mm		
Weight		21.7 kg (Approx.)		

NOTE

- Design and specifications are subject to change without notice.
- Receiving system: These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.

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